



## Enhanced SWEPP Real-Time Radiography System

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### ***Problem***

The INEEL Transuranic Waste Program needed a reliable system to identify the physical characteristics of waste materials in 55-gallon drums.

### ***Baseline Technology***

Older prototype waste handling and X-ray equipment.

### ***Innovative Technology***

The Enhanced Stored Waste Experimental Pilot Plant (SWEPP) Real-Time Radiography System is a waste handling and imaging system using X-ray technology to view 55-gallon waste drum contents.

### ***Comparison***

The enhanced system provides higher quality images of the waste, reduces drum processing time, and requires less maintenance.

### ***Benefits***

This system reduces the risk of missing Idaho Settlement Agreement milestones and results in an estimated cost savings of \$5.5 million due to the system's increased reliability.

WASTE MANAGEMENT PROGRAM

Project: ID-WM-103  
INEEL Transuranic Waste Program

